

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 490962002200

Application Number 10/622,914

Applicant

Ellis I. BETENSKY et al.

Filing Date July 18, 2003

Group Art Unit 2873

Mailing Date March 18, 2004

## U.S. PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date       | Document No. | Name      | Class | Subclass | Filing Date If Appropriate |
|-------------------|----------|------------|--------------|-----------|-------|----------|----------------------------|
| 6/15              | 1.       | 07/06/1965 | 3,192,829    | Yamaji    | —     | —        |                            |
| 5/10              | 2.       | 07/20/1976 | 3,970,366    | Sekiguchi | —     | —        |                            |
| 5/10              | 3.       | 07/05/1977 | 4,033,674    | Sekiguchi | —     | —        |                            |
| 5/10              | 4.       | 11/20/1990 | 4,971,428    | Moskovich | —     | —        |                            |
| 5/10              | 5.       | 02/24/1998 | 5,721,641    | Aoki      | —     | —        |                            |
| 5/10              | 6.       | 06/23/1998 | 5,771,123    | Hamano    | —     | —        |                            |
| 5/10              | 7.       | 08/04/1998 | 5,790,309    | Ohtake    | —     | —        |                            |
| 5/10              | 8.       | 11/10/1998 | 5,835,272    | Kodama    | —     | —        |                            |
| 5/10              | 9.       | 12/05/2000 | 6,157,494    | Nagata    | —     | —        |                            |

## FOREIGN PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date | Document No. | Country | Class | Subclass | Translation YES NO |
|-------------------|----------|------|--------------|---------|-------|----------|--------------------|
|                   | 0.       |      |              |         |       |          |                    |

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

| Examiner Initials | Ref. No. | Title |
|-------------------|----------|-------|
|                   | 0.       |       |

EXAMINER: S. J. Sugarman

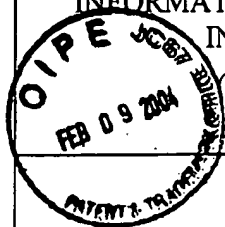
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Docket Number 490962002200

Application Number 10/622,914

Applicant

Ellis BETENSKY et al.

Filing Date July 18, 2003

Group Art Unit 2873

Mailing Date February 9, 2004

## U.S. PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date       | Document No. | Name          | Class | Subclass | Filing Date If Appropriate |
|-------------------|----------|------------|--------------|---------------|-------|----------|----------------------------|
| SJS               | 1.       | 11/23/1948 | 2,454,686    | F. G. Back    | —     | —        |                            |
|                   | 2.       | 03/30/1976 | 3,947,084    | Noyes         | —     | —        |                            |
|                   | 3.       | 10/25/1983 | 4,411,488    | Neil          | —     | —        |                            |
|                   | 4.       | 03/20/1990 | 4,909,614    | Itoh et al.   | —     | —        |                            |
|                   | 5.       | 03/16/1993 | 5,194,886    | Mukai et al.  | —     | —        |                            |
|                   | 6.       | 12/14/1993 | 5,270,857    | Oizumi et al. | —     | —        |                            |
|                   | 7.       | 09/05/1995 | 5,448,411    | Morooka       | —     | —        |                            |

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|-------------------|----------|------|--------------|---------|-------|----------|--------------------|
|                   | 0.       |      |              |         |       |          |                    |

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

| Examiner Initials | Ref. No. | Title  |
|-------------------|----------|--|
| SJS               | 8.       | "Lens mechanism technology," by D.F. Horne, <i>Crane, Russak &amp; Company, Inc., New York</i> , October 1975.   |
| SJS               | 9.       | "Zoom Lenses II," by Ellis I. Betensky et al., <i>Proceedings of SPIE-The International Society for Optical Engineering</i> , SPIE Vol. 3129, 28-29 July 1997 (pp 90-96) |
| SJS               | 10.      | "Selected Papers on Zoom Lenses," by Allen Mann, <i>SPIE Optical Engineering Press</i> , SPIE Milestone Series, Vol. MS85, Copyright 1993 (entire book)                  |
| SJS               | 11.      | "Zoom Lenses," by Allen Mann, <i>Proceedings, SPIE-The International Society for Optical Engineering</i> , Vol. 2539, 11-12 July 1995 (entire volume)                    |
| SJS               | 12.      | "Zoom Lenses," by Iain a. Neil et al., <i>Proceedings Of SPIE-The International Society for Optical Engineering</i> , Vol. 4487, 31 July 2001 (entire volume)            |

EXAMINER: S.J. Sugarman

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